

## EAST Search History

| Ref # | Hits    | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|---------|---|---|------------------|---------|---------------------|
| L1    | 1795    | ((charge air) or chargeair)<br>adj cool\$4  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/08/03<br>07:52 |
| L2    | 425     | taper\$4 near (header or<br>manifold)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/08/03<br>07:52 |
| L3    | 0       | 1 and 2   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/08/03<br>07:52 |
| L4    | 543062  | (header or manifold)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/08/03<br>07:52 |
| L5    | 828     | 1 and 4   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/08/03<br>07:53 |
| L6    | 1069958 | taper\$4 or slant\$4  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/08/03<br>07:53 |
| L7    | 36      | 5 and 6   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/08/03<br>07:53 |
| L8    | 9       | ("3091228"   "3444845"  <br>"4452216"   "4470378"  <br>"4476842").PN. OR<br>("4693084").URPN. | US-PGPUB;<br>USPAT; USOCR   | ADJ              | ON      | 2008/08/03<br>08:05 |
| L9    | 8       | ("3091228").URPN.   | USPAT   | ADJ              | ON      | 2008/08/03<br>08:06 |

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| L10 | 16     | ("3444845").URPN.                  | USPAT   | ADJ | ON | 2008/08/03<br>08:10 |
| L11 | 11206  | (taper\$4 or slant\$4) near groove | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/08/03<br>08:13 |
| L12 | 426    | 11 and 4                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/08/03<br>08:13 |
| L13 | 0      | 1 and 12                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/08/03<br>08:13 |
| L14 | 470301 | heat exchang\$4                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/08/03<br>08:15 |
| L15 | 52     | 12 and 14                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/08/03<br>08:15 |
| L16 | 1290   | groov\$4 near (header or manifold) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/08/03<br>08:17 |
| L17 | 146    | 14 and 16                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/08/03<br>08:17 |
| L18 | 31     | 17 and taper\$4                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/08/03<br>08:18 |

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| L19 | 1294 | ((taper\$4 or slant\$4) near groove) same (tube or pipe or header or manifold) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/08/03<br>08:25 |
| L20 | 42   | 14 and 19  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/08/03<br>08:25 |
| L21 | 6    | ("2793510").URPN.  | USPAT   | ADJ | ON  | 2008/08/03<br>08:40 |
| L22 | 11   | ((("2485733") or ("2638756") or ("2650075"))).PN.                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/08/03<br>08:43 |
| L23 | 4    | ("2793510").PN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/08/03<br>08:49 |
| S1  | 2    | ("6581679").PN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/11/24<br>15:13 |
| S2  | 2    | ("6212982").PN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/11/24<br>15:16 |
| S3  | 2    | ("5898996").PN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/11/24<br>15:20 |
| S4  | 2    | ("6109344").PN.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/12/19<br>11:37 |

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| S5  | 2    | ("20020066553").PN.                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/12/19<br>11:37 |
| S6  | 424  | taper\$4 near (header or manifold) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/18<br>10:34 |
| S7  | 2    | ("5228512").PN.                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/07/21<br>14:17 |
| S8  | 408  | internal high pressure forming     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/21<br>14:31 |
| S9  | 43   | S8 and (header or manifold)        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/21<br>14:32 |
| S10 | 1559 | charge air cooler                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/21<br>14:33 |
| S11 | 1787 | charge air cool\$4                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/21<br>14:33 |
| S12 | 2    | S8 and S11                         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/21<br>14:33 |
| S13 | 826  | S11 and (header or manifold)       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/21<br>14:34 |

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| S14 | 33   | S13 and taper\$4  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/21<br>14:34 |
| S15 | 43   | (165/Dig.483).CCLS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/07/21<br>15:03 |
| S16 | 3393 | (165/173-175).CCLS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/07/21<br>15:09 |
| S17 | 4    | S8 and S16  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/21<br>15:09 |
| S18 | 64   | S11 and S16   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/21<br>15:13 |
| S19 | 12   | ("20030141047"  <br>"20030205367"  <br>"20040265536"  <br>"2425215"   "4331201"  <br>"4940086"   "5107924"  <br>"5195581"   "5316420"  <br>"6082446"   "6679310").<br>PN. | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON  | 2008/07/21<br>15:24 |
| S20 | 1565 | S16 and (header or<br>manifold)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/21<br>15:39 |
| S21 | 309  | S20 and groove  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/21<br>15:39 |

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| S22 | 0  | ("20070114013"<br>"5342463" "4413165"<br>"4520927" "5974691"<br>"4457349" "4542734"<br>"4969507" "5332409"<br>"5415771" "5431217"<br>"5567319" "5590480"<br>"5647144" "5749355"<br>"6038884" "6062848"<br>"3602435" "3598374"<br>"3591160" "3915862"<br>"3814177" "3782451"<br>"4016994" "4252109"<br>"4278071" "4290247"<br>"4295826" "4296556"<br>"4350139" "4382435"<br>"4416265" "4416260"<br>"4444622" "4466873"<br>"4501194" "4508098"<br>"4547266" "4551181"<br>"4606745" "4624379"<br>"4625793" "4628868"<br>"4795131" "4831856"<br>"4836894" "4876417"<br>"4905527" "4915073"<br>"4964977" ).pn. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2008/07/21<br>15:48 |
| S23 | 50 | (("20070114013") or<br>("5342463") or<br>("4413165") or<br>("4520927") or<br>("5974691") or<br>("4457349") or<br>("4542734") or<br>("4969507") or<br>("5332409") or<br>("5415771") or<br>("5431217") or<br>("5567319") or<br>("5590480") or<br>("5647144") or<br>("5749355") or<br>("6038884") or<br>("6062848") or<br>("3602435") or<br>("3598374") or<br>("3591160") or<br>("3915862") or<br>("3814177") or<br>("3782451") or<br>("4016994") or<br>("4252109") or<br>("4278071") or<br>("4290247") or<br>("4295826") or<br>("4296556") or<br>("4350139") or<br>("4382435") or                           | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2008/07/21<br>15:49 |

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|     |      | ("4416265") or<br>("4416260") or<br>("4444622") or<br>("4466873") or<br>("4501194") or<br>("4508098") or<br>("4547266") or<br>("4551181") or<br>("4606745") or<br>("4624379") or<br>("4625793") or<br>("4628868") or<br>("4795131") or<br>("4831856") or<br>("4836894") or<br>("4876417") or<br>("4905527") or<br>("4915073") or<br>("4964977") or ("").pn.")).<br>PN. |   |     |    |                     |
| S24 | 8945 | (tapered or tapering or<br>tapers) near groove   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/07/21<br>16:29 |
| S25 | 386  | S24 and (header or<br>manifold)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/07/21<br>16:29 |
| S26 | 49   | S25 and (heat exchang\$4)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/07/21<br>16:30 |

8/ 3/ 2008 9:22:52 AM

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